



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039519

Supplier: MOA001-VU
Monroe Aerospace
399 East Drive
Melbourne, FL 32904 USA
Phone: 1-321-727-0047
Fax: 1-321-727-7331

PO No: PO039519

PO Date: 4/6/18

Due Date: 4/11/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
APR 06 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

| Line Item | Part | Supplier Part No | Description | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|---------------------|-------------|------------------|-----------------------------------|--------|----------|----------------|-------------------|-----------|------------------|-----------------|
| 1 | AN6-17A | | Bolt | Firmed | 4/11/18 | 40 Ea | 40 Ea | 40 Ea | \$0.70/Ea | \$28.00 |
| 2 | AN310-10 | | Lifting Bolt Washer receive ea | Firmed | 4/11/18 | 50 Ea | 50 Ea | 50 Ea | \$2.40/Ea | \$120.00 |
| 3 | MS21044N4 | | Nut, Self-Locking receive ea | Firmed | 4/11/18 | 100 Ea | 100 Ea | 100 Ea | \$0.14/Ea | \$14.00 |
| 4 | CR3212-5-05 | | Rivet | Firmed | 4/11/18 | 1,000 pcs | 1,000 pcs | 1,000 pcs | \$0.30/pcs | \$300.00 |
| Grand Total: | | | | | | | | | | \$462.00 |

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 4/6/18 7:55 AM dart.lavoie.chantal

**GREER STOP NUT**

Greer Stop Nut
481 McNally Drive
Nashville, TN 37211

Phone: 615-832-8375
Fax: 615-331-5070
E-mail: greer@spstech.com

CERTIFICATE OF CONFORMANCE

Date of Certification: November 1, 2016

Sold To: Bild Industries, Inc.
800 Clearwater Loop
Post Falls, ID
83854

Purchase Order No: 90096

Customer Part No: AN310-10 Rev. 10 & NASM310 Rev. 1

Item No: 001

Greer Part No: F52SC310-1018

Nomenclature: Nut, Plain, Castellated

Lot No/Serial No: 507920-080

Qty. Manufactured: 12,500

Qty. Shipped: 2,879

Manufacturing Date: 10-31-16

Material: 1137

Material Specification: AMS 5024H

Material Supplier: NELSEN STEEL

Mill Heat No: NF15102242

Greer Material LOT: CJ0000000000102

Procurement Spec: FF-N-836E

Threads: MIL-S-7742 Rev D Am 1

Proof Load: 30,100 lbs.

Tested To: 30,100 lbs.

Sample Size: 4

Non-Destructive Testing: Magnetic Particle

Specification: ASTM E1444-12

Sample Size: 29

Magnetic Particle Inspection in accordance with MT2000 Rev. 14 DTD 5/31/12 as modified by MT69811 Rev. 6 DTD 8/28/13

Surface Finish: Cadmium & Yellow Chromate

Specification: AMS-QQ-P-416 Type II Class 2 Rev. E

The products identified on this certificate have been manufactured, tested and inspected in accordance with, and unless noted above, conforms in all respects to the applicable drawings, specifications and/or standards. Complete reports of physical and chemical tests are on file for on-site examination. If no specified customer quality level is required, goods conform to seller's quality level. Reproduction except in full is strictly prohibited without written approval of Greer Stop Nut. All damages exceeding price are excluded. Mercury free clause: We certify that no possibility exists for mercury contamination to occur during manufacture, assembly, or testing of parts on this contract. This document relates only to the items tested. Parts were manufactured in the United States of America. Sample plans are carried out to current standard/specification revision.

G and Green Nylon are Trademarks of Greer Stop Nut

FG Lot No: J000034729-0000


Melanie Harris
Quality Assurance Coordinator

NUCOR**NUCOR CORPORATION**
NUCOR STEEL NEBRASKA**Mill Certification**
10/8/2015MTR #: 0000138593
2911 East Nucor Road
NORFOLK, NE 68701
(402) 644-0200
Fax: (402) 644-0329Sold To: NELSEN STEEL CO
9400 BELMONT AVE
FRANKLIN PK, IL 60131-0000
(847) 671-8700
Fax: (847) 671-8833Ship To: NELSEN STEEL CO
9400 BELMONT AVE
FRANKLIN PK, IL 60131-0000

| | | | |
|---------------|--------------------------------|-----------------|-----------------|
| Customer P.O. | 070700 | Sales Order | 143592.3 |
| Product Group | Special Bar Quality | Part Number | 38001062000S200 |
| Grade | 1137 | Lot # | NF1510224211 |
| Size | 1-1/16" (1.0625) Hex Coll | Heat # | NF16102242 |
| Product | 1-1/16" (1.0625) Hex Coll 1137 | B.L. Number | N1-312079 |
| Description | 1137 | Load Number | N1-255283 |
| Customer Spec | | Customer Part # | H10625H1137 |

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that I authorize those requirements.

Roll Date: 9/20/2015 Melt Date: 7/8/2015 Qty Shipped LBS: 25,575 Qty Shipped Pcs: 5

Melt Date: 7/8/2015

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|--------|-------|-------|-------|-------|--------|--------|
| C | Mn | V | Si | S | P | Cu | Cr | Ni | Mo | Al | Cb |
| 0.38% | 1.45% | 0.003% | 0.22% | 0.12% | 0.011% | 0.17% | 0.08% | 0.07% | 0.02% | 0.001% | 0.003% |
| Pb | Sn | Ca | B | Ti | | | | | | | |
| 0.000% | 0.008% | 0.0000% | 0.0000% | 0.002% | | | | | | | |

Roll Date: 9/20/2015

Yield 1: 65985psi

Tensile 1: 106,094psi

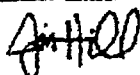
Elongation 15% in 8" (4% in 203.3mm)

Reduction Ratio 45:1

Specification Comments: MET GRADE 1137-51

Coarse Grain Practice

1. All manufacturing processes of the steel materials in this product, including melting, have been performed in the United States.
2. All products produced are weld free.
3. Mercury, in any form, has not been used in the production or testing of this material.
4. Test conform to ASTM A29-12, ASTM E415 and ASTM E1019-resulphurized grades or applicable customer requirements.
5. All material melted at Nucor Steel Nebraska is produced in an Electric Arc Furnace.
6. Strand Cast.
7. ISO-17025 LAB accreditation cert available upon request.
8. Exporting Country-USA
9. Sales@nucor.com



Jim Hill

Division Metallurgist

Page 1 of 1



Nelsen Steel Company
9400 W. Belmont Ave.
Franklin Park, IL 60131-2898
Tel: (847) 671-9700 Fax: (847) 671-6833

PRODUCT CERTIFICATION

HEAT-LOT NUMBER WORK ORDER
NF15102242 240318

SUPPLIER SALES ORDER / RLS
Nucor Steel, Norfolk 123570 / 001

CERT ID / REV
00127810 / 01

SOLD TO

Greer Stop Nut Inc.
481Mc Nally Drive
Nashville, TN 37211
USA

CJ0000000000102
jmc 10/30/15

MELT SOURCE/NAFTA
Nucor Steel-Norfolk / Yes
COUNTRY OF ORIGIN
U.S.A.
CAST METHOD
Strand (Billet)

| CUSTOMER P.O. | CUSTOMER PART | QUANTITY | Bundle | LADING NO | SHIPMENT DATE |
|---------------|---------------|------------|--------|-----------|---------------|
| P000013159 | OR23100 | 19,480 LBS | 5 | 00062840 | 10/22/2015 |

SPECIFICATION C09940H1137

.9940, Shape = Cold Drawn Hexagon, Grade = 1137 Mod, Length = 12'00", Grain Prac = Coarse Grain Practice, Silicon = .10 MAX, Quality Level = STD, Testing = Mag E/C Tested, Mechanical Tests, AMS 5024 Chem & Mech Only, Bundle max = 4000 lbs. Min. Red. Ratio 38:1

CERTIFICATION REQUIREMENTS

AMS 5024H Chem and Mech. Only

Chemical

| | | | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| C | Mn | P | S | Si | Cu | Ni | Mo | Cr | Al |
| .38 | 1.45 | .01 | .12 | .22 | .17 | .07 | .02 | .09 | .00 |
| Cb | V | | | | | | | | |
| .00 | .00 | | | | | | | | |

Mechanical

| TEST | UNITS | HIGH | LOW | AVERAGE |
|-------------------|----------|--------|--------|---------|
| Tensile | PSI | 128000 | 128000 | 128000 |
| Yield Strength | PSI | 117000 | 117000 | 117000 |
| Elongation in 2" | % | 10 | 10 | 10 |
| Reduction of Area | % | 39 | 39 | 39 |
| Brinell Hardness | Brin Hds | 241 | 241 | 241 |

We certify that the above material during its processing or while in our possession was not exposed to mercury or any other metal alloy that is liquid at ambient temperature, that no welding or weld repair was performed on said material, that no Class I or Class II ozone depleting chemicals (ODC's) were used in the manufacture of said material or in any of its components or packaging, and that the finished product described herein was manufactured by Nelsen Steel and Wire L.P. and/or its agents in the United States of America. We further certify that all material cold drawn by Nelsen Steel and Wire L.P. meets or exceeds the requirements of ASTM A108-13 (Level 1) and/or SAE J403 for carbon steels and/or SAE J404 for alloy steels and their referenced documents (including ASTM A29-12 and ASTM A578-07 (2012) as a minimum. All product sold by Nelsen Steel and Wire L.P. complies with the Dodd Frank Act section 1502 regarding "Conflict Minerals". Also, all chemical and mechanical testing is performed by laboratories that have received or have applied for certification to ISO/IEC 17025-1999. Nelsen Steel's Quality Management System is registered to ISO 9001: 2008 via third party assessment. Manufactured in the United States of America.

End of Certification

We certify that the above metallurgical report of chemical analysis and/or mechanical properties is a true and correct statement of the information relating to the product(s) listed above and conforms to the applicable specifications as indicated on your order. WE FURTHER CERTIFY that the material described herein was monitored and controlled during manufacture in accordance with the "Nelsen Steel Company Quality Assurance Manual" in its most recent revision prior to our issuing date shown.

Certification given and subscribed

by:

Kenneth A. Koeppl, Quality Manager



QUALITY & INTEGRITY

ABBOTT-INTERFAST CORP.

190 Abbott Drive Wheeling Illinois 60090 ■ Tel 847.459.6200 ■ Fax 847.459.4076
Toll Free 800.877.0789 ■ Email sales@abbott-interfast.com ■ www.abbott-interfast.com

CERTIFICATE OF CONFORMANCEDATE 9/1/15CUSTOMER NAME EAST COAST AVIATION SUPPLIES INCP.O. # 74579-FL P.O. DATE 4/28/15AIC PART # SN-428NE-----44 MS # MS21044N4/NASM21044 REV1PART NAME STOP NUT 1/4-28 NE STL CAD DC YELLOW SHIPPER # 72636-01THREAD SPEC MIL-S-8879C / .2500-28 UNJF 3BPROCUREMENT SPEC NUMBER # MIL-N-25027G & NASM25027 REV NEWDATE SHIPPED 9/1/15 QTY SHIPPED 50,000AIC PRODUCTION LOT # 20150818-724056-00-PPOSTELOC PRODUCTION P.O. # 723746 MAT'L HEAT # 2QQ45MAT'L TYPE 1010 STEEL (UNSG 10100) ASTM A29/ 29M

NON-METALLIC INSERT CONFORMS TO ASTM D 4066, GROUP 1, CLASS 1 OR 2

SURFACE FINISH / FINISH SPEC .0003 CADMIUM YELLOW / AMS-QQP-416, TYPE II, CLASS 2LAB REPORT SEE ATTACHED ELEMENT W/O # ABB014-05-05-36183-1
(MAGNETIC PARTICLE INSPECTION; MATERIAL COMPOSITION; TENSILE)FLUORESCENT PENETRANT N/A MAGNETIC PERMEABILITY N/A

LOCKING TORQUE SPECIFICATION = NASM25027, REV NEW

SAMPLE SIZE = 27**REQUIREMENTS:**1st, 7th, 15th, INSTALLATION MAXIMUM TORQUE (IN LBS.) 30 TESTED RESULTS (RANGE) 7.5-141st, 7th, 15th, BREAKAWAY MINIMUM TORQUE (IN LBS.) 3.5 TESTED RESULTS (RANGE) 6.0-12.0

We certify that the finished parts and/or materials used conform in all respects to the applicable drawings, specifications, and/or standards. Complete reports of all applicable testing are retained on file for on-site examination. Quality level, sampling plans, and testing conforms to the required specifications. The products are Mercury Free. Reproduction of this Certificate without permission is prohibited.

Very truly yours,

Vera Iakiviak
Quality Manager

NASMCOC REV 032615



element™

Element Materials Technology
2 Pheasant Run
Newtown, PA
18940-1819 USA

P 215 579 7500
F 215 579 7591
T 888 786 7555
info.newtown@element.com
element.com

Contact: Mike Tirilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 5/7/2015
P.O. No.: 343287
W/O No.: ABB014-05-05-36183-1

| | |
|-----------------|--|
| AIC PART NUMBER | SN-428NE-40 |
| MS NUMBER | MS21044N4 |
| HEAT NUMBER | 2QG45 |
| STELOC PO# | 723746 |
| MATERIAL | 1010 |
| DESCRIPTION | 1/4-28NE Steel Nylon Insert Locknut |
| SPECIFICATION | NASM 25027 Sept. 99 Rev. New / NASM 21044 Rev. 1 |

| Magnetic Particle Inspection Results | |
|--|--|
| Type: | Wet Fluorescent |
| Equipment No.: | Magnaflux Model AD-945 MMA#401/464/482 |
| MT Technique No.: | ABB014-SN-428NE-40 |
| Testing Specification: | ASTM E1444 / E1444M-12 |
| Acceptance Criteria: | NASM 25027 Sept. 99 Rev. New |
| Inspected per-Procedure: | 42.00 Rev. 15 |
| Alloy: | Steel |
| Surface Condition: | Machined |
| Method: | Continuous Method |
| Shot ID: A-A, Circular (Central Conductor) Amperage: | 170 |
| Shot ID: B, Longitudinal (Coil Shot) Amperage: | 1,060 |
| Demagnetized: | < 2 Gauss |
| Area of Inspection: | 100% of all accessible surfaces |
| Quantity Inspected: | 27 |
| Quantity Accepted: | 27 |
| Quantity Rejected: | 0 |
| Quantity Referred to Micro: | 0 |
| Indications Observed: | None |
| Date of Inspection: | 5/6/15 |

We hereby certify the above listed parts are processed in accordance with applicable specifications. Test reports on file.

Craig Noel
NAS 410/SNT-TC-1A Level 3 MT due 7-18

Respectfully submitted

Peggy Wolfe
Quality Administrator

Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. The testing reported on this certification has been performed in accordance with QAM 4th Edition Rev. 3 Dated 1/15/15 and related procedures. All testing has been performed in accordance with the latest revision of the applicable published test method in effect at the time of testing, unless otherwise stated. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. Sample remnants are held for a minimum of 30 days following issuance of test results, at which point they will be discarded unless notified in writing by the client.

ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT



element™

Element Materials Technology
2 Pheasant Run
Newtown, PA
18940-1819 USA

P 215 579 7500
F 215 579 7591
T 888 786 7555
info.newtown@element.com
element.com

Contact: Mike Tiritilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 5/7/2015
P.O. No.: 343287
W/O No.: ABB014-05-05-36183-1

1010

| Element | | Result % | Min % | Max % |
|---------|---|----------|---------|---------|
| C | = | 0.11 | 0.08 | 0.13 |
| Mn | = | 0.41 | 0.30 | 0.60 |
| P | = | 0.015 | 0.000 | 0.030 |
| S | = | 0.006 | 0.000 | 0.050 |
| Si | = | 0.10 | 0.00 | NS |
| Cr | = | 0.02 | 0.00 | NS |
| Ni | = | 0.01 | 0.00 | NS |
| Mo | < | 0.01 | 0.00 | NS |
| Cu | < | 0.01 | 0.00 | NS |
| Fe | = | Balance | Balance | Balance |

Chemical testing was performed on an Optical Emission
Spectrometer in accordance with ASTM-E415

Respectfully submitted

Peggy Wolfe
Quality Administrator

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Contact: Mike Tiritilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 5/7/2015
P.O. No.: 343287
W/O No.: ABB014-05-05-36183-1

Nut Axial Tensile

Test Method NASM 1312-8

| Specimen | Ultimate Load (lbf) | Fracture Location |
|-------------------|---------------------|---|
| Min. Requirements | 4,580 | |
| 1 | 4,591 | Discontinued after reaching min requirement |
| 2 | 4,591 | Discontinued after reaching min requirement |
| 3 | 4,591 | Discontinued after reaching min requirement |
| 4 | 4,591 | Discontinued after reaching min requirement |
| 5 | 4,590 | Discontinued after reaching min requirement |
| 6 | 4,590 | Discontinued after reaching min requirement |
| 7 | 4,592 | Discontinued after reaching min requirement |
| 8 | 4,591 | Discontinued after reaching min requirement |
| 9 | 4,591 | Discontinued after reaching min requirement |
| 10 | 4,592 | Discontinued after reaching min requirement |
| 11 | 4,591 | Discontinued after reaching min requirement |
| 12 | 4,590 | Discontinued after reaching min requirement |
| 13 | 4,591 | Discontinued after reaching min requirement |
| 14 | 4,590 | Discontinued after reaching min requirement |
| 15 | 4,591 | Discontinued after reaching min requirement |

Forty-two tests listed on this certification have been performed in accordance with NASM 25027 Sept. 99 Rev. New / NASM 21044 Rev. 1 and all tested samples do conform to the specification requirements.

This document contains technical data whose export and re-export/ retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.

Respectfully submitted

Peggy Wolfe
Quality Administrator

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ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT

wg henschen co.
aerospace hardware distributors

7363 EAST TIERRA BUENA LANE
SCOTTSDALE, AZ 85260
PHONE (480) 348-8282
FAX (480) 348-8288

ISO 9001
WG HENSCHEN CO
CERTIFIED

**PACKING SLIP/
CERTIFICATION**


06/30/15 10:33AM
RELEASE 001

| ORDER NUMBER | SHIP NO | PAGE |
|--------------|---------|------|
| 00463895 | 705574 | 1 |

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PEERLESS AEROSPACE
141 EXECUTIVE BLVD
FARMINGDALE NY 11735

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PEERLESS AEROSPACE
141 EXECUTIVE BLVD
FARMINGDALE NY 11735

| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | ORDER DATE | | | |
|-----------------------|------------------------------|------------|-------------|---------------|-----------|------------|------------|-----------|-------------|
| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | |
| ENT | ITEM NUMBER | | UNIT WEIGHT | | BIN | U/M | QUANTITIES | | |
| | DESCRIPTION | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 001 | CCR244CS-3-07 | ST | | 06/30/15 | | EA | 3400. | 3400. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157887 MFG#:87992090 | | | 3400. | | | | | |
| 002 | CCR244CS-3-08 | ST | | 06/30/15 | | EA | 1200. | 1200. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157886 MFG#:87992165 | | | 1200. | | | | | |
| 003 | CCR244CS-4-04 | ST | | 06/30/15 | | EA | 1000. | 1000. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157885 MFG#:87967614 | | | 1000. | | | | | |
| 004 | CCR244SS-4-04 | ST | | 06/30/15 | | EA | 1400. | 1400. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157884 MFG#:87887802 | | | 1400. | | | | | |
| 005 | CCR264CS-3-07 | ST | | 06/30/15 | | EA | 2040. | 2040. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157882 MFG#:87675611 | | | 2040. | | | | | |
| 006 | CCR264CS-3-08 | ST | | 06/30/15 | | EA | 1800. | 1800. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157881 MFG#:87650771 | | | | | | | | |
| 007 | CCR264CS-3-09 | ST | | 06/30/15 | | EA | 2600. | 2600. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157880 MFG#:87650771 | | | 2600. | | | | | |



CERTIFICATION:

PARTS ARE CONFORMING TO THE PURCHASE ORDER. INSPECTION, TEST, QUALITY AND PERFORMANCE ARE IN ACCORDANCE WITH SPECIFICATIONS. AND DRAWINGS AS APPLICABLE. UNLESS OTHERWISE STATED ON THE FACE OF THE INVOICE, WG HENSCHEN'S LIABILITY IS EXPRESSLY LIMITED TO REPLACEMENT OR CREDIT FOR THOSE PARTS. MATERIALS MAY NOT BE RETURNED WITHOUT PRIOR AUTHORIZATION FROM WG HENSCHEN (RMA). CLAIMS FOR SHORTAGE OR DEFECTIVE MATERIAL MAY BE MADE WITHIN 30 DAYS FROM RECEIPT OF GOODS. DISCLAIMER: NO HAZARDOUS SUBSTANCE (LEAD, MERCURY, CADMIUM, RADIUM ETC) WERE USED IN PROCESSING THIS ORDER, EXCEPT FOR THOSE PERMITTED BY CUSTOMER-CONTROLLED SPECIFICATIONS.

Director of Quality

Robert Smith

No. of Boxes

Total Weight

Received By

wg henschen co.
aerospace hardware distributors
7383 EAST TIERRA BUENA LANE
SCOTTSDALE, AZ 85260
PHONE (480) 348-8282
FAX (480) 348-8288

ISO 9001
WG HENSCHEN CO
CERTIFIED

**PACKING SLIP/
CERTIFICATION**

06/30/15 10:33AM
RELEASE 001

| ORDER NUMBER | SHIP NO | PAGE |
|--------------|---------|------|
| 00463895 | 705574 | 4 |

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PEERLESS AEROSPACE
141 EXECUTIVE BLVD
FARMINGDALE NY 11735

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PEERLESS AEROSPACE
141 EXECUTIVE BLVD
FARMINGDALE NY 11735

| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | ORDER DATE | | | |
|-----------------------|------------------------------|------------|-------------|---------------|-----------|------------|------------|-----------|-------------|
| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | |
| ENT | ITEM NUMBER | | UNIT WEIGHT | | BIN | U/M | QUANTITIES | | |
| | DESCRIPTION | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 022 | CCR274SS-3-03 | ST | | 06/30/15 | | EA | 8300. | 8300. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157868 MFG#:87722813 | | | 8300. | | | | | |
| 023 | CCR274SS-3-05 | ST | | 06/30/15 | | EA | 5000. | 5000. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000157867 MFG#:87900543 | | | 5000. | | | | | |
| 024 | CR2273-4-03 | ST | | 06/30/15 | | EA | 18500. | 18500. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000158987 MFG#:88000146 | | | 10000. | | | | | |
| | Lot#:000158988 MFG#:88006223 | | | 8500. | | | | | |
| 025 | CR2273-4-04 | ST | | 06/30/15 | | EA | 21526. | 21526. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000158902 MFG#:88000147 | | | 2000. | | | | | |
| | Lot#:000158985 MFG#:88006224 | | | 13246. | | | | | |
| | Lot#:000158986 MFG#:88000147 | | | 6280. | | | | | |
| 026 | CR3212-4-02 | ST | | 06/30/15 | | EA | 25620. | 25620. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000159061 MFG#:88034817 | | | 9000. | | | | | |
| | Lot#:000159075 MFG#:88031944 | | | 16620. | | | | | |
| 027 | CR3212-4-04 | ST | | 06/30/15 | | EA | 710. | 710. | |
| | BLIND RIVET | | | | | | | | |
| | Lot#:000156923 MFG#:87890172 | | | 710. | | | | | |



CERTIFICATION

PARTS ARE CONFORMING TO THE PURCHASE ORDER. INSPECTION, TEST, QUALITY AND PERFORMANCE ARE IN ACCORDANCE WITH SPECIFICATIONS, AND DRAWINGS AS APPLICABLE. UNLESS OTHERWISE STATED ON THE FACE OF THE INVOICE, WG HENSCHEN'S LIABILITY IS EXPRESSLY LIMITED TO REPLACEMENT OR CREDIT FOR THOSE PARTS. MATERIALS MAY NOT BE RETURNED WITHOUT PRIOR AUTHORIZATION FROM WG HENSCHEN (RMA). CLAIMS FOR SHORTAGE OR DEFECTIVE MATERIAL MAY BE MADE WITHIN 30 DAYS FROM RECEIPT OF GOODS. DISCLAIMER: NO HAZARDOUS SUBSTANCE (LEAD, MERCURY, CADMIUM, RADIUM ETC) WERE USED IN PROCESSING THIS ORDER. EXCEPT FOR THOSE PERMITTED BY CUSTOMER-CONTROLLED SPECIFICATIONS.

Director of Quality

Robert Smith

No. of Boxes

Total Weight

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wg henschen co.
aerospace hardware distributors

7363 EAST TIERRA BUENA LANE
SCOTTSDALE, AZ 85260
PHONE (480) 348-8282
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| ORDER NUMBER | SHIP NO | PAGE |
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| 00463895 | 705574 | 5 |

06/30/15 10:33AM
RELEASE 001

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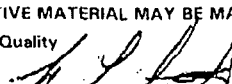
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FARMINGDALE NY 11735

| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | | ORDER DATE | | | |
|-----------------------|------------------------------|------------|-------------|---------------|-----------|----------|------------|------------|---------|-------------|
| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | | |
| ENT | ITEM NUMBER | | UNIT WEIGHT | | | BIN | U/M | QUANTITIES | | |
| DESCRIPTION | | | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 028 | CR3212-4-08 | ST | | 06/30/15 | | EA | | 12500. | 12500. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000159053 MFG#:88045394 | | | 12500. | | | | | | |
| 029 | CR3212-4-09 | ST | | 06/30/15 | | EA | | 16608. | 16608. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156921 MFG#:87873858 | | | 16608. | | | | | | |
| 030 | CR3212-4-4 | ST | | 06/30/15 | | EA | | 300. | 300. | |
| | CHERRY RIVET | | | | | | | | | |
| | Lot#:000156197 MFG#:87890170 | | | 300. | | | | | | |
| 031 | CR3212-5-02 | ST | | 06/30/15 | | EA | | 5393. | 5393. | |
| | CHERRY RIVET | | | | | | | | | |
| | Lot#:000157866 MFG#:87986223 | | | 5393. | | | | | | |
| 032 | CR3212-5-04 | ST | | 06/30/15 | | EA | | 24200. | 24200. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156919 MFG#:87872075 | | | 24200. | | | | | | |
| 033 | CR3212-5-05 | ST | | 06/30/15 | | EA | | 25000. | 25000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156916 MFG#:87932024 | | | 25000. | | | | | | |
| 034 | CR3212-5-07 | ST | | 06/30/15 | | EA | | 12500. | 12500. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000159130 MFG#:88056778 | | | 12500. | | | | | | |

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| ORDER NUMBER | SHIP NO | PAGE |
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| 00463895 | 705574 | 6 |

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| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | | ORDER DATE | | | |
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| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | | |
| ENT | ITEM NUMBER | | UNIT WEIGHT | | | BIN | U/M | QUANTITIES | | |
| DESCRIPTION | | | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 035 | CR3212-5-08 | ST | | 06/30/15 | | EA | | 5363. | 5363. | |
| | CHERRY RIVET | | | | | | | | | |
| | Lot#:000157865 MFG#:88010472 | | | 5363. | | | | | | |
| 036 | CR3212-5-09 | ST | | 06/30/15 | | EA | | 5000. | 5000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156917 MFG#:87916030 | | | 5000. | | | | | | |
| 037 | CR3212-6-02 | ST | | 06/30/15 | | EA | | 12169. | 12169. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156915 MFG#:87907225 | | | 12169. | | | | | | |
| 038 | CR3212-6-06 | ST | | 06/30/15 | | EA | | 4760. | 4760. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156912 MFG#:87978919 | | | 4760. | | | | | | |
| 039 | CR3212-6-07 | ST | | 06/30/15 | | EA | | 10000. | 10000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156911 MFG#:87749201 | | | 10000. | | | | | | |
| 040 | CR3212-6-08 | ST | | 06/30/15 | | EA | | 10000. | 10000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156881 MFG#:87916038 | | | 10000. | | | | | | |
| 041 | CR3212-6-09 | ST | | 06/30/15 | | EA | | 9700. | 9700. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156883 MFG#:87562365 | | | 9700. | | | | | | |

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| ORDER NUMBER | SHIP NO | PAGE |
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| 00463895 | 705574 | 7 |

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| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | | ORDER DATE | | | |
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| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | | |
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| | DESCRIPTION | | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 042 | CR3212-6-10 | | ST | 06/30/15 | | | EA | 2990. | 2990. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156870 MFG#:87608683 | | | 126. | | | | | | |
| | Lot#:000156871 MFG#:87630089 | | | 2864. | | | | | | |
| 043 | CR3212-6-12 | | ST | 06/30/15 | | | EA | 5000. | 5000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156879 MFG#:87746346 | | | 5000. | | | | | | |
| 044 | CR3212-8-06 | | ST | 06/30/15 | | | EA | 5800. | 5800. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156864 MFG#:87843020 | | | 5800. | | | | | | |
| 045 | CR3212-8-12 | | ST | 06/30/15 | | | EA | 5000. | 5000. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156875 MFG#:87705357 | | | 5000. | | | | | | |
| 046 | CR3213-4-02 | | ST | 06/30/15 | | | EA | 19400. | 19400. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000159056 MFG#:88030564 | | | 19400. | | | | | | |
| 047 | CR3213-4-04 | | ST | 06/30/15 | | | EA | 5279. | 5279. | |
| | CHERRY RIVET | | | | | | | | | |
| | Lot#:000157864 MFG#:87993898 | | | 5279. | | | | | | |
| 048 | CR3213-4-08 | | ST | 06/30/15 | | | EA | 10847. | 10847. | |
| | BLIND RIVET | | | | | | | | | |
| | Lot#:000156827 MFG#:87895410 | | | 10847. | | | | | | |



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| ORDER NUMBER | SHIP NO | PAGE |
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| WHSE | CUSTOMER ID | ORDERED BY | SALESPERSON | ENTERED BY | TERMS | ORDER DATE | | | |
|-----------------------|---|------------|-------------|---------------|-----------|------------|------------|-----------|-------------|
| 00 | PEERLES101 | BILL WAY | RAN/ | bob | NET 0 | 06/26/15 | | | |
| PURCHASE ORDER NUMBER | | REFERENCE | P.O. DATE | REQ SHIP DATE | SHIP DATE | SHIP VIA | FOB | FILLED BY | |
| PUR06501-00 | | | 06/26/15 | 06/30/15 | 06/30/15 | | | | |
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| | DESCRIPTION | | | | | | ORDERED | SHIPPED | BACKORDERED |
| 055 | BULK PURCHASE PRICE NS AGREED UPON BULK PURCHASE PRICE 2/5 S/O 463900 | | | 06/30/15 | | EA | 1. | 1. | |
| 056 | BULK PURCHASE PRICE NS AGREED UPON BULK PURCHASE PRICE 3/5 S/O 463901 | | | 06/30/15 | | EA | 1. | 1. | |
| 057 | BULK PURCHASE PRICE NS AGREED UPON BULK PURCHASE PRICE 4/5 S/O 463902 | | | 06/30/15 | | EA | 1. | 1. | |
| 058 | BULK PURCHASE PRICE NS AGREED UPON BULK PURCHASE PRICE 5/5 S/O 463903 | | | 06/30/15 | | EA | 1. | 1. | |





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Robert Smith

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CHERRY® AEROSPACE

SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: SO386442

Page: 1

Order Date: 09/23/14

Print Date: 09/24/14



Sold-To: 10018425

Ship-To: 10018425

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| S O L D T O | WG HENSCHEN CO. |
| | 7363 EAST TIERRA BUENA LANE |
| | SUITE 100 |
| | SCOTTSDALE, AZ 85260 |
| | USA |

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| S H I P T O | WG HENSCHEN CO. |
| | 7363 EAST TIERRA BUENA LANE |
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| | USA |

Salesperson (s):102

Purchase Order: 00127023

Credit Terms: Net 30
Net 30

Ship Via: UPS

FOB: Origin

Remarks:

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3
AIRBUS APPROVAL # 30114

ECCN: EAR99

*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009

*PREFERENCE FOR DOMESTIC SPECIALTY METALS

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under "Part Number Revision List".

| Ln | Item Number | Site T LocationLot/Serial | Qty Open Qty to Ship UM | Promised Shipped |
|----|--|------------------------------|----------------------------|---------------------|
| 1 | CR3212PR-4-04 Customer Item: 132271A404 CR3212-4-04 ASNA0077A404 CAN43076B4-4 M7885/3-4-04 MBBN3013L3204 NAS9302B-4-04 NAS9302BNS-4-04 EVL-A50 87890172 | 1600 | EA | 09/27/14 |
| 2 | CR3212-4-09 Customer Item: MBBN3013L3209 NAS9302B-4-09 M7885/3-4-09 B0207003-4-09 | 1600 | EA | 09/27/14 |

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Quality Assurance Representative

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Signed

SIM NGUYEN



**CHERRY®
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SPS Fastener Division, a PCC Company

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PACKING LIST

Order No: SO386442
Order Date: 09/23/14
Print Date: 09/24/14

Page: 2

Sold-To: 10018425

Ship-To: 10018425

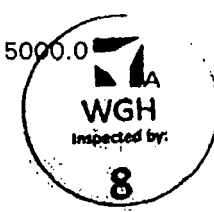
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WG HENSCHEN CO.
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SCOTTSDALE, AZ 85260
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| Ln | Item Number | Site T Location Lot/Serial | Qty Open Qty to Ship | UM | Promised Shipped | |
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| 2 | CR3212-4-09 ASNA0077A409 <small>1600 1600 1600 1600 1600 1600 1600 1600 1600 1600</small> | E0204 87873858 | 17108.0 | () | 09/27/14 | |
| 3 | CR3212-5-04 Customer Item: M7885/3-5-04 NAS9302BNS-5-04 NAS9302B-5-04 MBBN3013L4004 CAN43076B5-4 <small>1600 1600 1600 1600 1600 1600 1600 1600 1600 1600</small> | 1600 EZL-A67 87872075 | 25000.0 | EA | () 09/27/14 | |
| 4 | CR3212-5-05 Customer Item: B0207003-5-05 NAS9302BNS-5-05 NAS9302B-5-05 MBBN3013L4005 ASNA0077A505 <small>1600 1600 1600 1600 1600 1600 1600 1600 1600 1600</small> | 1600 EZL-A48 87932024 ✓ | 25000.0 ✓ | EA | () 09/27/14 | |
| 6 | CR3212-5-09 Customer Item: ASNA0077A509 NAS9302BNS-5-09 NAS9302B-5-09 M7885/3-5-09 <small>1600 1600 1600 1600 1600 1600 1600 1600 1600 1600</small> | 1600 F0403 87916030 | 5000.0 | EA | () 09/27/14 | |
| 7 | CR3212-6-02 Customer Item: ASNA0077A602 B0207003-6-02 CAN43076B6-2 NAS9302B-6-02 NAS9302BNS-6-02 | 1600 | | | | |



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Signed

SIM NGUYEN



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Order No: SO386442
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Page: 3

Sold-To: 10018425

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SUITE 100
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USA

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| Ln | Item Number | Site T Location Lot/Serial | Qty Open Qty to Ship | UM | Promised Shipped | |
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| 7 | | F0502 87907225 | 12669.0 | | () | |
| 8 | CR3212-6-06 Customer Item: NAS9302BNS-6-06 NAS9302B-6-06 MBBN3013L4806 M7885/3-6-06 ASNA0077A606 | 1600 A0304 87978919 | 4780.0 | EA | 09/27/14 | |
| 9 | CR3212-6-07 Customer Item: ASNA0077A607 NAS9302BNS-6-07 NAS9302B-6-07 MBBN3013L4807 B0207003-6-07 | 1600 E2L-A20 87749201 | 10000.0 | EA | () | |

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Signed
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Aircraft Fasteners & PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157Accredited
NadcapChemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab**Final Inspection & Test Report**
CherryMax® Rivet**An ISO9001 and AS9100 registered company. OASIS #6111041606**

| | | | |
|----------------------------------|-----|----------------|-----|
| Part Numbers | Rev | Proc. Spec. | Rev |
| CR3212-5-05 | | AD PS-CMR-3000 | R |
| Lot I.D. No.: 87932024 | | | |
| Lot Size: 34,800 | | | |
| MFG. Date: April 01, 2014 | | | |

**** See 2nd Page for the Customer Parts**

ASSEMBLY DATA

| TYPE | ID # | CERT # | MATERIAL | FINISH | LUBE |
|--------|----------|--------|------------------|-------------------------|------|
| Rivet | 87894057 | A74183 | QQ-A-430/5056 | MIL-C-5541 CLEAR CL1A ✓ | None |
| Stem | 87917625 | A73953 | AMS6322 / 8740ST | QQ-P-416/T2CL2/CAD PL ✓ | None |
| Collar | 87929224 | A74195 | A-286 / AMS5731 | Passivate per AMS2700 ✓ | None |

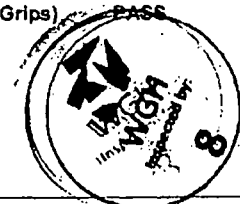
W.O. #: 5544878

Final Lube: WAX

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

| MIN REQ'D SAMPLE SIZE SPECS | INSTALLED SHEAR | | TENSION | | SPINDLE RETENTION | | DISASSEMBLY |
|-----------------------------------|-----------------|-----|---------|-----|-------------------|-----|-------------|
| | 1012 | | 445 | | 200 | | 10 |
| | 8 | N/A | 8 | N/A | 8 | N/A | 5 |
| | C-N-M | B | C-N-M | B | C-N-M | B | C-N-M |
| RESULTS | 1377 | | 576 | | 377 | | 100 |
| | 1398 | | 560 | | 370 | | 72 |
| | 1397 | | 564 | | 383 | | 91 |
| | 1401 | | 550 | | 370 | | 55 |
| | 1385 | | 561 | | 382 | | 47 |
| C=CR N=NAS | 1404 | | 549 | | 384 | | |
| M=MIL B=BAC | 1402 | | 573 | | 368 | | |
| LOAD VALUES | 1379 | | 574 | | 419 | | |
| IN POUND | | | | | | | |

| | | | | | |
|-------------|-------------|---------------|-------------|----------------------------------|---------------|
| <u>PCS.</u> | <u>ITEM</u> | <u>STATUS</u> | <u>PCS.</u> | <u>ITEM</u> | <u>STATUS</u> |
| 20 | EXAMINATION | PASS | 20 | INSTALLATION (Min and Max Grips) | PASS |

**Comments:**

Blind Fastener

| | |
|---------------------|--------|
| Tr. Rev: - | Q Code |
| Rev. Date: 4/1/2014 | V09 |
| Inspector | |
| V Iriarte | |

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Form No. 1141-10-75 Rev. F 07/15/10 CR10-0832



Page 1 of 2



CHERRY[®] AEROSPACE

SPS Customer Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Nadcap[™]

Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax[®] Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Lot I.D. No.: **87932024**

Rev: -

Customer Parts List

| <u>Customer Part Number</u> | <u>Rev</u> | <u>Proc. Spec.</u> | <u>Rev</u> |
|-----------------------------|------------|--------------------|------------|
| B0207003-5-05 | B | MIL-R-7885 | D2 |
| NAS9302BNS-5-05 | 5 | NAS1686 | 4 |
| NAS9302B-5-05 | 5 | NAS1686 | 4 |
| MBBN3013L4005 | 01/06 | MBBN3015 | 12.2003 |
| ASNA0077A505 | N | NAS1686 | 4 |

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.



BENEKE

Product Certification And Testing Report



Customer:
CHERRY AEROSPACE LLC
ATTN: ACCTS. PAYABLE
1224 EAST WARNER AVENUE
P.O. BOX 2157
SANTA ANA

CA 92707-0157

Date >> 12/27/2013

| | | |
|-------------------------|-------------|--------------|
| Customer PO No. | BWC Lot No. | Date Shipped |
| PO159801 | 25262 | 12/27/2013 |
| Cust Item ID: M005.1540 | | |

BWC Item No.
501540532041A01

Description:
.154" DIA. +-.001" #4F 5056 - H32
#4 FINISH, ALUMINUM COLD HEADING WIRE X 22"
BLOCKWOUND 100# COILS.

Specifications:
CUST SPEC M-5 REV. T
FED SPEC QQ-A-430 REV. C

| Chemical Limits | | | | | | | | | | Test Results | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----------|-----------|-----|-------------|---------------|--------------------|----------|----------|---------------|---------------|-------------|-----------------|------|------------|
| Alloy | Si | Fe | Cu | Mn | Mg | Cr | Zn | Pb | Others Each | Others Total | Aluminum Remainder | Case No. | lbs | Diameter (in) | Tensile (psi) | Yield (psi) | Peak Load (lbs) | EL % | Grain Size |
| 5056 | .30 | .40 | .10 | .05 | .20 | 4.5 - 5.6 | .05 - .20 | .10 | .05 | .15 | | | | | | | | | |
| 852226 | .03 | .06 | .00 | .06 | 4.8 | .07 | .01 | .01 | | | | | | | | | | | |
| | | | | | | | | | | 40942-1 | 329 | 0.1535 | 48,390.0 | | | | 855.5 | | |
| | | | | | | | | | | Total Weight: | 329 | | | | | | | | |



JAN 14 2014

A74183
Beneke Wire Company
65-2226

Beneke Wire Company

WE CERTIFY THAT SAMPLES REPRESENTING THE MATERIAL COVERED IN THIS REPORT HAVE BEEN INSPECTED AND FOUND TO MEET THE COMPOSITION LIMITS AND MECHANICAL PROPERTIES SHOWN ABOVE. ANY WARRANTY IS LIMITED TO THAT SHOWN ON BENEKE WIRE COMPANY'S STANDARD TERMS AND CONDITIONS OF SALE.

5540 National Turnpike

Louisville, KY 40214

Authorized
Signature

Shannon King, Plant Metallurgist

Phone: (502) 367-6434

KAISER ALUMINUM FABRICATED PRODUCTS

Kaiser Aluminum Fabricated Products, LLC
800 Kaiser Drive
Heath, OH 43050-1088
740-522-1151

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

| | | | | | |
|--|------------|-----------------------|--|----------------------|---------|
| CUSTOMER PO NUMBER: | | CUSTOMER PART NUMBER: | | PRODUCT DESCRIPTION: | |
| | | 5037509F0007509 | | ALY-JUMBO | |
| KAISER ORDER NUMBER: | LINE ITEM: | SHIP DATE: | ALLOY: | TEMPER: | |
| 172558815 | 1 | 12/11/2013 | K540 | I | |
| WEIGHT SHIPPED: | QUANTITY: | DL NUMBER: | DIA/DIA/THKNS: | WIDTH: | LENGTH: |
| | 68 pcs. | 8617 | I | 0.000 in. | 0.0 in. |
| SHIP TO: | | | SOLD TO: | | |
| BENEKE WIRE COMPANY 5540 NATIONAL TURN PIKE LOUISVILLE, KY 40214 | | | BENEKE WIRE COMPANY 5540 NATIONAL TURN PIKE LOUISVILLE, KY 40214 | | |

Test Code: 4000

Actual Physical Properties

Lot No.

852226 0.0

Chemical Composition, WT. % (Aluminum Remainder)

| Lot | | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti |
|-----------|--------|------|------|------|------|-------|------|------|------|
| Cast/Drop | | | | | | | | | |
| ChemID | | | | | | | | | |
| 852226 | | | | | | | | | |
| 62-4F2 | Act. | 0.03 | 0.06 | 0.00 | 0.06 | 4.8 | 0.07 | 0.01 | 0.01 |
| 186380 | | | | | | | | | |
| Chemical | Min | | | | 0.05 | 4.5 | 0.05 | | |
| Limits | Max | 0.30 | 0.40 | 0.10 | 0.20 | 4.9 | 0.20 | 0.10 | 0.05 |
| | Others | Each | 0.05 | Max | | Total | 0.15 | Max | |

A74183
Beneke Wire Company
852226



JAN 14 2014



Plant Serial: 34004
Kaiser Order Number: 172558815
Line Item: 1

**KAISER
ALUMINUM**
FABRICATED PRODUCTS

Kaiser Aluminum Fabricated Products, LLC
800 Kaiser Drive
Heath, OH 43056-1088
740-522-1151

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Miscellaneous Notes

Made in USA

Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. Actual (Act) chemical composition is from representative samples taken during the ingot casting process. Independent chemical analysis will vary from these values because of natural variation in the process and testing error. This test report shall not be reproduced, except in full; without the written approval of Kaiser Aluminum. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law. Chemical analysis performed in accordance with ASTM E 1251-11. The Newark facility is AS9100C:2009 approved. The Newark Laboratory is NADCAP approved for chemical testing (OES).

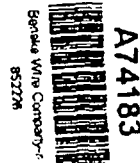
The products you inquired and ordered are not governed by any applicable industry standard or custom specifications. They are produced, tested and released as such. By placing an order, you acknowledge and accept the full responsibility and liability for their fitness for the intended end use or end uses.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LSP ("Kaiser") hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales order acknowledgement form. Any warranty is limited to that shown on Kaiser's standard general terms and conditions.

Steven J. Tua, Technical Manager

Steven J. Tua



JAN 14 2014

Plant Serial: 34004
Kaiser Order Number: 172558015
Line Item: 1





WireTech, Inc.

8440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

CHERRY AEROSPACE LLC
1224 E. WARNER AVENUE
SANTA ANA, CA 92705-5414
USA

CERTIFICATION

WORK ORDER
102892

HEAT NO.
10269481
SALES ORDER / RLS
852190 / 1
ISO 9001-2000 REGISTERED



MECHANICAL TESTING
CERT # 911.01

CERT# 911.01

| CUSTOMER P.O. | CUSTOMER PART | QUANTITY | CARRIERS | LADING NO | SHIPMENT DATE |
|---------------|---------------|-----------|----------|-----------|---------------|
| VP201301 | M272.1145 | 2,029 Lbs | 3 | 00106873 | 11/08/2013 |

SPECIFICATION C208740-101145A

A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating,
Size:0.1135/0.1155 Specifications: AMS 2301K, AMS6322N, MIL-S-6049A, AMEND1, ASTM-A-547, AMS-S-6049-A,
M 272.1145 REV. T

CERTIFICATION REQUIREMENTS

Chemical Properties

| C | Si | Mn | P | S | Cu | Ni | Cr | Mo |
|-----|-----|-----|------|------|-----|-----|-----|-----|
| .40 | .26 | .87 | .009 | .005 | .08 | .44 | .54 | .22 |

Physical Properties

Grain Size Jominy 1 Jominy 2 Jominy 3 Inclusions Macro Cleanliness Mill Source
6 J5=55 J8=49 J10=46 S2-R1-C2 GOOD F&S=0 Charter

Country of Origin
USA - DFAR Compliant

Mechanical Properties

| TEST | UNITS | Results |
|---------------------------|-------|---------|
| Tensile Strength | KSI | 131.8 |
| Yield Strength | KSI | 112.0 |
| % Elongation | % | 8.5 |
| % Reduction of Area | % | 59.0 |
| Rockwell Hardness C Scale | HRC | 28 |
| Decarb (Total) | In | 0.00 |



NOV 14 2013

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.
"LATEST REVISIONS OF ASTM"

DFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(9)

Material is free of mercury, radium, or alpha contamination.



CHARTER STEEL

A Division of
Charter Manufacturing Company, Inc.

EMAIL

1658 Cold Springs Road
Saukville, Wisconsin 53080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

CHARTER STEEL TEST REPORT Reverse Has Text And Codes

Wiretech Incorporated
6440 East Canning Street
Los Angeles, CA 90040

| | |
|---------------------|---------------------|
| Cust P.O. | 7070-6 |
| Customer Part # | 8740C1A060-C |
| Charter Sales Order | 70044420 |
| Heat # | 10269481 |
| Ship Lot # | 4223790 |
| Grade | 8740 R SK FG AQ 1/4 |
| Process | HRSA |
| Finish Size | 1/4 |

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

| Test Results of Heat Lot# 10269481 | | | | | | | | | | | |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lab Code: 7388 | C | MN | P | S | SI | NI | CR | MO | CU | SN | V |
| CHEM | .40 | .87 | .009 | .005 | .260 | .44 | .54 | .22 | .08 | .006 | .004 |
| %Wt | | | | | | | | | | | |
| | AL | N | B | TI | NB | | | | | | |
| | .024 | .0050 | .0001 | .002 | .002 | | | | | | |
| JOMINY(HRC) | JOM01 | JOM02 | JOM03 | JOM04 | JOM05 | JOM06 | JOM07 | JOM08 | JOM09 | JOM10 | JOM12 |
| | 56 | 56 | 56 | 56 | 55 | 52 | 50 | 49 | 47 | 46 | 43 |
| | JOM14 | JOM16 | JOM18 | JOM20 | JOM24 | JOM28 | JOM32 | | | | |
| | 41 | 38 | 37 | 36 | 34 | 32 | 31 | | | | |

JOMINY SAMPLE TYPE ENGLISH = C
MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1
AMS 2301 FREQUENCY AVERAGE = .03 AMS 2301 FREQUENCY INDIVIDUAL = .20
AMS 2301 SEVERITY AVERAGE = .06 AMS 2301 SEVERITY INDIVIDUAL = .34
CHEM. DEVIATION EXT. - GREEN =

| Test Results of Rolling Lot# 1104601 | | | | | TENSILE LAB = 0358-02 RA LAB = 0358-02 RB LAB = 0358-02 |
|--|------------|-----------|-----------|------------|---|
| REDUCTION RATIO = 616:1 | | | | | |
| Test Results of Processing Lot# 4222528, 4223790 | | | | | |
| | # of Tests | Min Value | Max Value | Mean Value | |
| TENSILE (KSI) | 2.0 | 83.5 | 83.7 | 83.6 | |
| REDUCTION OF AREA (%) | 2 | 66 | 69 | 67 | |
| ROCKWELL B (HRBW) | 2 | 83 | 84 | 83 | |

NUM DECARB = 8 FREE FERRITE DECARB (Inch) = .000 FREE FERR & PARTIAL DECARB (Inch) = .002
CP SPHERO % LAB = 0358-02 / NUM SPHERO = 2. SPHERODIZATION (%) = 86.3

Specifications: Manufactured per Charter Steel Quality Manual Rev. Date 09/12/12
Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:
Customer Document = AMS6322N/AMS2301K/COP3010W/BS25147:1976 CHEM ONLY Revision = Dated =

Additional Comments:

NOV 14 2013



Charter Steel
Saukville, WI, USA



Page 1 of 1

This MTR supersedes all previously dated MTRs for this order

Janice Barnard
Janice Barnard
Manager of Quality Assurance
09/05/2013

Rem: Load1, Fax0, Mail0

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFAR's compliance.
2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
4. The laboratory that generated the analytical or test results can be identified by the following key:

| Certificate Number | Lab Code | Laboratory | | Address |
|--------------------|----------|------------|--|---|
| 0358-01 | 7388 | CSSM | Charter Steel Melting Division | 1653 Cold Springs Road, Saukville, WI 53080 |
| 0358-02 | 8171 | CSSR/CSSP | Charter Steel Rolling/Processing Division | 1658 Cold Springs Road, Saukville, WI 53080 |
| 0358-03 | 123633 | CSFP | Charter Steel Ohio Processing Division | 6255 US Highway 23, Risingsun, OH 43457 |
| 0358-04 | 125544 | CSCM/CSCR | Charter Steel Cleveland | 4300 E. 49th St., Cuyahoga Heights, OH 44125-1004 |
| . | . | -- | Subcontracted test performed by laboratory not in Charter Steel system | |

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

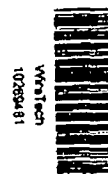
| Test | Specification | CSSM | CSSR/CSSP | CSFP | CSCM/CSCR |
|----------------------------------|-------------------------------|------|-----------|------|-----------|
| Chemistry Analysis | ASTM E415; ASTM E1019 | X | | | X |
| Macroetch | ASTM E381 | X | | | X |
| Hardenability (Jominy) | ASTM A255; SAE J406; JIS G056 | X | | | X |
| Grain Size | ASTM E112 | X | X | X | X |
| Tensile Test | ASTM E8; ASTM A370 | | X | X | X |
| Rockwell Hardness | ASTM E18; ASTM A370 | X | X | X | X |
| Microstructure (spheroidization) | ASTM A892 | | X | X | |
| Inclusion Content (Methods A, E) | ASTM E45 | | X | | X |
| Decarburization | ASTM E1077 | | X | X | X |

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/15.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.

NOV 14 2013



A73953

Certificate of Conformance

Sold To: CHERRY AEROSPACE
 SANTA ANA OPERATIONS
 1224 EAST WARNER AVE
 SANTA ANA, CA 92705-5414

Date Shipped: 12/30/2013
 PO #: VP125694
 Radcliff No.: 129964
 Heat No.: QN369
 Qty. Shipped: 293 LBS-18 BLACK MIG
 SPOOLS

Item Description

.0075 X .014 X .081 *** A286 Stainless Steel SPECIAL SHAPE AMS 5731 REV L, AMS
 5737 REV P CHEM
 ONLY

Melting Country: France

Producing Country: United States

Notes:
 PART# M189.05 REV W
 CONSIGNMENT ORDER

Chemical Analysis

| | | | |
|-------------|------------|--------------|-----------|
| Al: 0.17% | B: 0.006% | Bi: 0.00002% | C: 0.04% |
| Co: 0.16% | Cr: 14.84% | Cu: 0.15% | Fe: BAL% |
| Mn: 1.74% | Mo: 1.25% | Ni: 24.57% | P: 0.015% |
| Pb: 0.0001% | S: 0.001% | Si: 0.06% | Ti: 2.13% |
| V: 0.31% | | | |

Mechanical Properties

Tensile: 97 KSI

We certify that the chemical analysis, physical properties, and mechanical test results
 are correct as contained in our records, and that they conform to customer requirements.

Material as shipped, is free from mercury contamination.

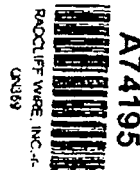
Material is DFAR compliant



JAN 21 2014

Lisa Piatek

Lisa Piatek
 Certification Clerk



PERTH, ON
ERIN, ON
DUMAS, AR
LANCASTER, SC

613-267-3752 FAX 613-267-5617
519-833-9632 FAX 519-833-2213
870-382-2980 FAX 870-382-6988
803-283-3363 FAX 803-283-6303



FOND DU LAC, WI
UNION, IL
PERRIS, CA

920-926-0609 FAX 920-926-0652
816-923-2131 FAX 816-923-2128
951-657-2105 FAX 951-943-6061

THE LEADING MANUFACTURER OF STAINLESS STEEL AND NICKEL ALLOY WIRE PRODUCTS
EXECUTIVE OFFICES: PERTH, ON CANADA - EMAIL: sales@centralwire.com

CENTRAL WIRE
6509 OLSON ROAD
TEL: 816-923-2131

UNION, IL 60180-9730
FAX: 816-923-2128

CERTIFICATE OF CONFORMANCE

SOLD
TO

RADCLIFF WIRE INC.
P. O. BOX 603
BRISTOL

CT 06011-0603

SHIP
TO

RADCLIFF WIRE INC.
97 RONZO ROAD
BRISTOL,

CT 06011-0603

USA

USA

| CUSTOMER'S PO NO. | TYPE OF CERT | CUSTOMER | ORDER NO. | WORK ORDER | DATE SHIPPED |
|-------------------|--------------|----------|-----------|------------|--------------|
| 46500 | Customer | 124610 | 1181607 1 | 4143742 | 11/01/13 |

SPECIFICATIONS:

| ITEM DESCRIPTION | | | SPEC. CLASS | HEAT |
|--------------------|-------------------|--|-------------|-------|
| DESCRIPTION | | | | |
| Forming A286SF | Melt mill | | | QN369 |
| SKIN PASSED Bright | Aperam | | | |
| .0430 200LB.Plus | Country of origin | | QTY SHIP | |
| Clean | France | | 245 | 044 |

| CHEMICAL ANALYSIS | | | | | | |
|-------------------|----------|---------|------|------|---------|-------|
| C | MN | SI | P | S | CR | NI |
| .04 | 1.74 | .06 | .015 | .001 | 14.84 | 24.57 |
| MO | CU | CO | AL | TI | FE | B |
| 1.25 | .15 | .16 | .17 | 2.13 | Balance | .006 |
| V | BI | PB | | | | |
| .31 | < .00002 | < .0001 | | | | |

MECHANICAL PROPERTIES

AS SHIPPED PROPERTIES:

| | | | | | | |
|---------|---------|--|--|--|--|--|
| TENSILE | TENSILE | | | | | |
| 110.000 | 113.000 | | | | | |
| KSI MIN | KSI MAX | | | | | |

AFTER HEAT TREAT PROPERTIES:

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |

A74195
RADCLIFF WIRE, INC.
Q388

"PASSIVATED IN PROCESS PER AMS 2700C METHOD 1, TYPE 7"

JAN 21 2014

The material as shipped is free from mercury contamination. I certify the chemical analysis and physical and mechanical test results reported above are correct as contained in the records of the company.

Very truly yours,

AUTHORIZED SIGNATURE



operam

CERTIFICAT DE RECEPTION 3.1-EN 10204 n° C066257/2
 Inspection certificate - Abnahmeprüfzeugnis

Usine - Works - Werk
 Alloys Imphy
 58160 IMPHY FRANCE
 Téléphone: 03 85 21 30 00
 Télécopie: 03 85 21 31 00

Client / Customer / Kunde : CENTRAL W UNION
 V/Commande / Your order / Ihre Bestell. Nr : 2010266
 Specification / specification / Vorschrift : D.3.PRS.010.S REV.B 05/05/11
 du / of : 01.17.12
 von

N/Reference / Our reference / Unser Auftrag Nr. : 310514/02

Produit / Product / Erzeugnisform : SY 286 WIRE ROD
 DIAM/7.5000/MM
 SS A286 : VAR (.295")
 Etat de livraison / Condition of delivery: SHAVED
 N° de fabric. / Manufact. Nr / Fabrik. Nr : 4100266296
 Poids / Weight / Gewicht : 2771.180 LB
 Nombre / Part No. / Stückzahl : 4 PI

| COMPOSITION CHIMIQUE (% poids) CHEMICAL COMPOSITION (% weight) CHEMISCHE ZUSAMMENSETZUNG (% Gewicht) | | | | | | | | | | Coulée N° / Heat Nr / Schmelze Nr : QN369/32 | |
|--|------|------|---------|----------|-------|-------|------|-----|-----|--|--|
| C | Mn | Si | S | P | Ni | Cr | Mo | Cu | Co | | |
| .04 | 1.74 | .06 | .001 | .015 | 24.57 | 14.84 | 1.25 | .15 | .16 | | |
| V | Al | Ti | Pb | Bi | B | Fe | | | | | |
| .31 | .17 | 2.13 | < .0001 | < .00002 | .006 | bal. | | | | | |

CARACTERISTIQUES MECANQUES ET AUTRES ESSAIS / TESTS RESULTS

ETAT DE LIVRAISON
 CONDITION OF DELIVERY

RESISTANCE..... TENSILE STRENGTH..... : 607 MPA 88,034 psi
 GRAIN ASTM..... SIZE ASTM..... : 7.5 ASTM

HYPERTREMPE 980°1H EAU+VIEILLISSEMENT 720°16H AIR
 HEAT TREATMENT OF SPECIMEN 1800°F1H WATER+1325°F 16H AIR

LIMITE ELASTIQUE. YIELD STRENGTH 0.2% : 746 MPA
 RESISTANCE..... TENSILE STRENGTH..... : 1115 MPA
 ALLONGEMENT..... ELONGATION SUR 40..... : 28.0 %
 STRICTION..... RED. OF AREA..... : 52.0 %
 DURETE HB..... HARDNESS..... : 317 HB



JAN 21 2014

FLUAGE
 STRESS RUPTURE TEST AT 1200°F (649°C)
 UNDER 70,000 PSI (4824 MPa)
 DUREE DE VIE..... TIME..... : 138.4 H

A74195
 RADIOCLIFF WIRE, INC.
 QN369

QUALITY CONTROL DUPUIS G.

Signature
 Unterschrift

07.05.12
 Imphy plant

Voir page suivante

PAGE N°: 1





CERTIFICAT DE RECEPTION 3.1-EN 10204 n° C066257/2
Inspection certificate - Abnahmeprüfzeugnis

Client
Customer
Kunde : CENTRAL W UNION

V/Commande
Your order
Ihre Bestell. Nr. : 2010266

dt.
of : 01.17.12
von

Specification
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Vorschrift : D.3.PRS.010.S REV.B 05/05/11

N/Reference
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Unser Auftrag Nr. : 310514/02

ALLONGEMENT..... ELONGATION..... 26.0 %

ETAT HYPERTREMPE 900° + VIEILLISSEMENT 720°16H AIR

HEAT TREATMENT OF TEST SPECIMEN 1650°F IN WATER+1325°F16H AIR

| | | |
|-----------------------|--------------------------|----------|
| LIMITE ELASTIQUE..... | YIELD STRENGTH 0.2%..... | 783 MPA |
| RESISTANCE..... | TENSILE STRENGTH..... | 1109 MPA |
| ALLONGEMENT..... | ELONGATION SUR 4D..... | 28.0 % |
| STRICITION..... | RED. OF AREA..... | 51.0 % |
| DURETE HB..... | HARDNESS..... | 333 HB |

FLUAGE

STRESS RUPTURE TEST AT 1200°F (649°C)

UNDER 65,000 PSI (4480MPa)

| | | |
|-------------------|-----------------|---------|
| DUREE DE VIE..... | TIME..... | 232.3 H |
| ALLONGEMENT..... | ELONGATION..... | 31.0 % |

MELTING PROCESS: EF+VAR NO WELDING WITH FILLER METAL HAS BEEN PERFORMED STRESS RUPTURE AND AGE HARDENING AND CHEMISTRY TO MEET

LATEST ISSUE OF AMS 5731L, AMS 5732J, 5734K AND 5737P ARCELORMITTAL SNA CERTIFIES THAT THIS MATERIAL HAS BEEN MELTED PRODUCED IN FRANCE, QUALIFYING COUNTRY, AS REQUIRED BY DFARS 252.225-7014

MATERIAL IS FREE FROM MERCURY, RADIUM, OR ALPHA SOURCE CONTAMINATION

THE WILLFUL RECORDING OF FALSE OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY RESULT IN PUNISHMENT AS A FELONY UNDER FEDERAL STATUTES

A74195
RADIATION MONITORING
00039



JAN 21 2014





AIRFASCO
INDUSTRIES
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

CERTIFICATE OF CONFORMANCE

EAST COAST AVIATION

I Hereby Certify that on 5/6/13 Airfasco Industries provided the supplies called for by Contract/ PO Number **66706** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.


WM. DENT

Quality Assurance Representative

| PART NUMBER | LOT NUMBER | QUANTITY | PART NUMBER | LOT NUMBER | QUANTITY |
|-------------|------------|----------|-------------|------------|----------|
| AN6-17A | 14242 | 2500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



AIRFASCO

INDUSTRIES

MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 11/07/07

PART NO.: AN6-17A per NASM6-17A rev. 1

AFC LOT NO.: 14242

QTY MFG.: 73,400

PROCUREMENT SPECIFICATION: Produced per NASM 6812 rev. 2

HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: B-135837

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

PLATING

VENDOR: Berlinger Plating

CERTIFICATION NO.: 46671

PROCUREMENT SPECIFICATION: Cadmium Plate per QQ-P-416, Type II, Class 2, F

MATERIAL

MILL: Republic

COUNTRY OF MELT: USA

HEAT: 7284564

GRADE SPECIFICATION: Alloy Steel per AMS 6300 C, Type 4037, .406"

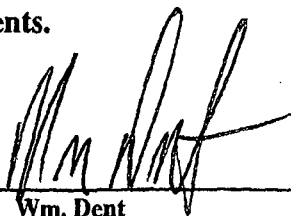
| 4037 MATERIAL CHEMISTRY | | | | | | | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| ELEMENT-ID. | -C- | -MN- | -P- | -S- | -SI- | -NI- | -CR- | -MO- | -CU- | Other | Other |
| LADLE | .350 | .840 | .006 | .004 | .260 | .020 | .070 | .220 | .020 | | |

| PHYSICAL PROPERTIES | | | | |
|---------------------|-------------|-------------|------------|-----------|
| PHYSICAL | TENSILE | YIELD | SHEAR | HARDNESS |
| REQUIRED | 10,100 lbs. | 7,740 lbs. | 8,280 lbs. | HRC 26-32 |
| ACTUAL | 13,224 lbs. | 12,505 lbs. | 8,848 lbs. | HRC 29-30 |

Non-Destructive Magnetic Particle per ASTM-E-1444-01

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries
Quality Assurance Representative:


Wm. Dent